



RAW SEQUENCE LISTING ERROR REPORT

BC

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/856,819
 Source: PCT/09
 Date Processed by STIC: 6/18/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§ 1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
<http://www.uspto.gov/web/offices/pac/checker>

PCT09

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/856,819

DATE: 06/18/2001
TIME: 16:21:20

Input Set : A:\5559.ST25.txt
Output Set: N:\CRF3\06182001\I856819.raw

Does Not Comply
Corrected Diskette Needed

PR 1-5

3 <110> APPLICANT: Bojsen, Kirsten
 4 Svendsen, Allan
 5 Fuglsang, Claus
 6 Patkar, Shamkant
 7 Borch, Kim
 8 Vind, Jesper
 9 Petri, Andreas
 10 Glad, Sanne
 11 Budolfsen, Gitte
 13 <120> TITLE OF INVENTION: Lipolytic Enzyme Variants
 15 <130> FILE REFERENCE: 5559.204-US
 17 <140> CURRENT APPLICATION NUMBER: US/09/856,819
 18 <141> CURRENT FILING DATE: 2001-05-24
 20 <150> PRIOR APPLICATION NUMBER: PCT/DK99/00664
 21 <151> PRIOR FILING DATE: 1999-12-29
 23 <160> NUMBER OF SEQ ID NOS: 14
 25 <170> SOFTWARE: PatentIn version 3.0
 27 <210> SEQ ID NO: 1
 28 <211> LENGTH: 24
 29 <212> TYPE: DNA
 30 <213> ORGANISM: Artificial
 32 <220> FEATURE:
 33 <223> OTHER INFORMATION: Primer
 35 <400> SEQUENCE: 1
 36 tcaagaatacg ttcaaacaag aaga
 39 <210> SEQ ID NO: 2
 40 <211> LENGTH: 24
 41 <212> TYPE: DNA
 42 <213> ORGANISM: Artificial
 44 <220> FEATURE:
 45 <223> OTHER INFORMATION: Primer
 47 <400> SEQUENCE: 2
 48 gtttgtctaa ctccttcctt ttgc
 51 <210> SEQ ID NO: 3
 52 <211> LENGTH: 19
 53 <212> TYPE: DNA
 54 <213> ORGANISM: Artificial
 56 <220> FEATURE:
 57 <223> OTHER INFORMATION: Primer
 59 <400> SEQUENCE: 3
 60 tgtcccygwg ctccccck
 63 <210> SEQ ID NO: 4
 64 <211> LENGTH: 27
 65 <212> TYPE: DNA
 66 <213> ORGANISM: Artificial
 68 <220> FEATURE:
 69 <223> OTHER INFORMATION: Primer

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RAW SEQUENCE LISTING
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```

71 <400> SEQUENCE: 4
72 gaagtamiry agrtgmgcag sratatc 27
75 <210> SEQ ID NO: 5
76 <211> LENGTH: 27
77 <212> TYPE: DNA
@C> 78 <213> ORGANISM: Artificial
80 <220> FEATURE:
81 <223> OTHER INFORMATION: Primer
83 <400> SEQUENCE: 5
84 gatatysctg ckcaycttryr ktacttc 27
87 <210> SEQ ID NO: 6
88 <211> LENGTH: 23
89 <212> TYPE: DNA
@C> 90 <213> ORGANISM: Artificial
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Primer
95 <400> SEQUENCE: 6
96 cggaaatgtta ggctggttat tgc 23
99 <210> SEQ ID NO: 7
100 <211> LENGTH: 20
101 <212> TYPE: DNA
@C> 102 <213> ORGANISM: Artificial
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Primer
107 <400> SEQUENCE: 7
108 cttttcggtt agagcggatg 20
111 <210> SEQ ID NO: 8
112 <211> LENGTH: 120
113 <212> TYPE: DNA
@C> 114 <213> ORGANISM: Artificial
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Primer
119 <220> FEATURE:
120 <221> NAME/KEY: misc_feature / →(222) 58
121 <223> OTHER INFORMATION: 1: (A 90, C 10)
124 <220> FEATURE:
125 <221> NAME/KEY: misc_feature →(222) 59
126 <223> OTHER INFORMATION: 7: G 48, A 2, T 2, C 48
129 <220> FEATURE:
130 <221> NAME/KEY: misc_feature →(222) 60
131 <223> OTHER INFORMATION: 8: A 92, T 8 ↑ (sample)
134 <220> FEATURE:
135 <221> NAME/KEY: misc_feature
136 <223> OTHER INFORMATION: 9: A 97, T 3
139 <220> FEATURE:
140 <221> NAME/KEY: misc_feature
141 <223> OTHER INFORMATION: 10: G 1, A 1, T 1, C 97
144 <220> FEATURE:
145 <221> NAME/KEY: misc_feature

```

Per 1.823 of Sequence Rules,
insert <222> and response
whenever
"n" or "Xaa" is
shown. <222>
is the numeric
identifier for
location. Please
edit
all
sequences.

FYI: "n" can only
represent a
single nucleotide

Does this mean that "n"
represents "A" 90% of instances
and "C" 10% of instances?

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Input Set : A:\5559.ST25.txt
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```

146 <223> OTHER INFORMATION: 11: G 1, A 97, T 1, C 1
149 <220> FEATURE:
150 <221> NAME/KEY: misc_feature
151 <223> OTHER INFORMATION: 12: G 94, A 2, T 2, C 2
154 <220> FEATURE:
155 <221> NAME/KEY: misc_feature
156 <223> OTHER INFORMATION: 13: G 1, A 1, T 91, C 7
159 <220> FEATURE:
160 <221> NAME/KEY: misc_feature
161 <223> OTHER INFORMATION: 1: A 90, C 10
164 <220> FEATURE:
165 <221> NAME/KEY: misc_feature
166 <223> OTHER INFORMATION: 14: G 1, A 1, T 7, C 91
169 <220> FEATURE:
170 <221> NAME/KEY: misc_feature
171 <223> OTHER INFORMATION: 15: G 2, A 2, T 2, C 94
174 <220> FEATURE:
175 <221> NAME/KEY: misc_feature
176 <223> OTHER INFORMATION: 16: A 80, T 20
179 <220> FEATURE:
180 <221> NAME/KEY: misc_feature
181 <223> OTHER INFORMATION: 17: G 6, A 90, T 2, C 2
184 <220> FEATURE:
185 <221> NAME/KEY: misc_feature
186 <223> OTHER INFORMATION: 18: G 2, A 2, T 94, C 2
189 <220> FEATURE:
190 <221> NAME/KEY: misc_feature
191 <223> OTHER INFORMATION: 19: G 5, A 91, T 4
194 <220> FEATURE:
195 <221> NAME/KEY: misc_feature
196 <223> OTHER INFORMATION: 20: G 96, C 94
199 <220> FEATURE:
200 <221> NAME/KEY: misc_feature
201 <223> OTHER INFORMATION: 21: G 4, T 5, C 91
204 <220> FEATURE:
205 <221> NAME/KEY: misc_feature
206 <223> OTHER INFORMATION: 22: G 4, C 96
209 <220> FEATURE:
210 <221> NAME/KEY: misc_feature
211 <223> OTHER INFORMATION: 23: G 94, C 3, T 3
214 <220> FEATURE:
215 <221> NAME/KEY: misc_feature
216 <223> OTHER INFORMATION: 6: G 91, A 3, T 3, C 3
219 <220> FEATURE:
220 <221> NAME/KEY: misc_feature
221 <223> OTHER INFORMATION: 5: G 2, A 13, T 4, C 81
224 <220> FEATURE:
225 <221> NAME/KEY: misc_feature
226 <223> OTHER INFORMATION: 4: G 2, A 4, T 5, C 89

```

*add <222> and
response to each*

<220>-<223> section

RAW SEQUENCE LISTING
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Input Set : A:\5559.ST25.txt
Output Set: N:\CRF3\06182001\I856819.raw

```

229 <220> FEATURE:
230 <221> NAME/KEY: misc_feature
231 <223> OTHER INFORMATION: 5: G 2, A 13, T 4, C 81
234 <220> FEATURE:
235 <221> NAME/KEY: misc_feature
236 <222> LOCATION: (64)..(64)
237 <223> OTHER INFORMATION: 3: A 25, T 75
240 <220> FEATURE:
241 <221> NAME/KEY: misc_feature
242 <222> LOCATION: (62)..(62)
243 <223> OTHER INFORMATION: 4: G 2,A 4,T 5,C 89
246 <220> FEATURE:
247 <221> NAME/KEY: misc_feature
248 <222> LOCATION: (61)..(61)
249 <223> OTHER INFORMATION: 3: A 25, T 75
252 <220> FEATURE:
253 <221> NAME/KEY: misc_feature
254 <223> OTHER INFORMATION: @: G 3,A 91, T3,C3
257 <400> SEQUENCE: 8
W--> 258 gtaagcgtga cataactaat tacatcatgc ggcctcttag agtcgaccca gccgctannn      60
W--> 260 nnnnnnsnnc nannnsnnnn nnnntnnncnn gaagtaccat aggtgcgcag ngatatccgg      120
263 <210> SEQ ID NO: 9
264 <211> LENGTH: 117
265 <212> TYPE: DNA
OK> 266 <213> ORGANISM: Artificial
268 <220> FEATURE:
269 <223> OTHER INFORMATION: Primer
271 <220> FEATURE:
272 <221> NAME/KEY: misc_feature
273 <223> OTHER INFORMATION: 8: A 92, T8
276 <220> FEATURE:
277 <221> NAME/KEY: misc_feature
278 <223> OTHER INFORMATION: 23: G 94, C 3, T 3
281 <220> FEATURE:
282 <221> NAME/KEY: misc_feature
283 <223> OTHER INFORMATION: 9: A 97, T 3
286 <220> FEATURE:
287 <221> NAME/KEY: misc_feature
288 <223> OTHER INFORMATION: 10: G 1, A 1, T 1, C 97
291 <220> FEATURE:
292 <221> NAME/KEY: misc_feature
293 <223> OTHER INFORMATION: 11: G 1, A 97, T 1, C 1
296 <220> FEATURE:
297 <221> NAME/KEY: misc_feature
298 <223> OTHER INFORMATION: 12: G 94, A 2, T 2, C 2
301 <220> FEATURE:
302 <221> NAME/KEY: misc_feature
303 <223> OTHER INFORMATION: 13: G 1, A 1, T 91, C 7
306 <220> FEATURE:

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*Add L2207 and response
to each L2207-L2237
section*

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/856,819

DATE: 06/18/2001
TIME: 16:21:20

Input Set : A:\5559.ST25.txt
Output Set: N:\CRF3\06182001\I856819.raw

```

307 <221> NAME/KEY: misc_feature
308 <223> OTHER INFORMATION: 1: A 90, C 10
311 <220> FEATURE:
312 <221> NAME/KEY: misc_feature
313 <223> OTHER INFORMATION: 14: G 1, A 1, T 7, C 91
316 <220> FEATURE:
317 <221> NAME/KEY: misc_feature
318 <223> OTHER INFORMATION: 15: G 2, A 2, T 2, C 94
321 <220> FEATURE:
322 <221> NAME/KEY: misc_feature
323 <223> OTHER INFORMATION: 16: A 80, T 20
326 <220> FEATURE:
327 <221> NAME/KEY: misc_feature
328 <223> OTHER INFORMATION: 17: G 6, A 90, T 2, C 2
331 <220> FEATURE:
332 <221> NAME/KEY: misc_feature
333 <223> OTHER INFORMATION: 18: G 2, A 2, T 94, C 2
336 <220> FEATURE:
337 <221> NAME/KEY: misc_feature
338 <223> OTHER INFORMATION: 19: G 5, A 91, T 4
341 <220> FEATURE:
342 <221> NAME/KEY: misc_feature
343 <223> OTHER INFORMATION: 20: G 96, C 4
346 <220> FEATURE:
347 <221> NAME/KEY: misc_feature
348 <223> OTHER INFORMATION: 21: G 4, T 5, C 91
351 <220> FEATURE:
352 <221> NAME/KEY: misc_feature
353 <223> OTHER INFORMATION: 22: G 4, C 96
356 <400> SEQUENCE: 9
357 gtaagcgtga cataactaat tacatcatgc ggcctctag agtcgaccca gccgcgcgcg 60
W--> 359 gcactacnan nnsnnnnnnn ntncnngaa gtaccatagg tgcgcagnnga tatccgg 117
362 <210> SEQ ID NO: 10
363 <211> LENGTH: 120
364 <212> TYPE: DNA
OK> 365 <213> ORGANISM: Artificial
367 <220> FEATURE:
368 <223> OTHER INFORMATION: Primer
370 <220> FEATURE:
371 <221> NAME/KEY: misc_feature
372 <223> OTHER INFORMATION: 1: A 90, C 10
375 <220> FEATURE:
376 <221> NAME/KEY: misc_feature
377 <223> OTHER INFORMATION: 2: G 3, A 91, T 3, C 3
380 <220> FEATURE:
381 <221> NAME/KEY: misc_feature
382 <223> OTHER INFORMATION: 3: A 25, T 75
385 <220> FEATURE:
386 <221> NAME/KEY: misc_feature

```

*add L2227 to seq
L2207-L2237
section*

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/856,819

DATE: 06/18/2001
TIME: 16:21:21

Input Set : A:\5559.ST25.txt
Output Set: N:\CRF3\06182001\I856819.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application Number
L:18 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:30 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:42 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:54 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:66 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:78 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:90 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:102 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
L:114 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8
L:258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:266 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9
L:359 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:9
L:359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:365 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:10
L:511 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10
L:511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:513 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:10
L:513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:519 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11
L:533 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12
L:547 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13
L:561 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14